



Product Manual

Model: EC4S2P200

Lithium Iron Phosphate Battery (LFP)

Voltage:12.8V Capacity:200Ah



Cautions :

- 1) Maximum of 48 Volts (Max 4pcs) new batteries can be connected in series
- 2) These batteries do not support a parallel connection
- 3) Serial connection between old and new batteries are not supported
- 4) In serial connection, the BMS supports 4 batteries. For parallel applications, the inverters must be connected in parallel, not the batteries.

Item		Parameter
Battery Pack Main Parameters	Nominal Capacity	200Ah
	Usable Capacity	200Ah
	Nominal Voltage	12.8V
	Energy	2560Wh
	Charge Voltage	14.6V
	Discharge cut-off voltage	10V
	Charge Method	CC/CV
	Standard Charge Current	15A
	Max. Charge Current	100A
	Standard Discharge Current	20A
	Max. Continues Discharge Current	100A
	Cycle Life	1500 times
	Internal Impedance	≤70mΩ
	Dimension	L521 x W267 x H219.5mm
	Weight	Approx. 28kg
Working Temperature Range	Charge: 0°C--45°C Discharge: -20°C--60°C	
Storage Temperature	-10°C--45°C	

Recommended Parameters for Inverter/ Charger

Battery number in series	Nominal Voltage	Charge			Discharge	
		Voltage		Current (Max)	Cut-off voltage	Current (Max)
		Bulk / Absorption	Floating			
1 S	12.8 V	14.6 V	13.6 V	100A	10 V	100A
2 S	25.6 V	29.2 V	27.2 V	100A	20 V	100A
4 S	51.2 V	58.4 V	54.4 V	100A	40 V	100A

Application:

- Solar system + Wind Power system
- Car Audio System
- Lighting equipment/ Emergency lighting equipment
- Fire alarm and security systems
- Telecommunication equipment
- Electric equipment and Telemeter equipment
- Wireless lawn mowers, vacuum cleaner and washing machine
- Toys and consumer electronics
- Portable power tools, measuring and medical equipment
- Portable video camera, portable personal computer
- Camper, Trailer, Caravan, Camping Truck, Bus, RV etc.